

Attachment 4 Stormwater Flood Management Grant Proposal City of Palmdale Budget

Attachment 4 consists of the following items:

- ✓ **Budget.** Attachment 4 provides a budget estimate for each budget category row of the proposed project.

Introduction

This attachment presents detailed budget information and supporting documentation for the Upper Amargosa Creek Flood Control, Recharge, and Habitat Restoration Project proposal (Amargosa Project). The project proposal offers tremendous investment value to the State for a number of reasons including:

- The proposal provides 52 percent of funding from non-State sources, demonstrating there is a strong commitment from the City to the implementation of this project.
- 100 percent of the grant funding request will be used directly for construction or construction-related activities.

A summary budget for the proposed project is provided in Table 4-1 while Table 4-2 provides a cost breakdown by Work Plan task and sub-task. Tables 4-3 through 4-8 provide detailed budget breakdowns for each of the budget categories. The cost breakdown for each budget is provided for each of the budget categories included in the sample budget provided in Exhibit B of the Proposition 1E IRWM Proposal Solicitation Package and are consistent with the categories included in the Work Plan (provided in Attachment 3) and Schedule (provided in Attachment 5).

Table 4-1: Total Project Budget¹

Budget Category		(a) Non-State Share* (Match)	(b) Requested Grant Funding	(c) Other State Funds Being Used	(d) Total	(e) % Funding Match
(a)	Direct Project Administration Costs	\$269,760	\$0	\$0	\$269,760	100%
(b)	Land Purchase/Easement	\$785,666	\$0	0	\$785,666	100%
(c)	Planning/Design/Engineering/ Environmental Documentation	\$848,964	\$0	\$0	\$848,964	100%
(d)	Construction	\$2,806,269	\$6,500,000	\$0	\$9,306,269	30%
(e)	Environmental Compliance/ Mitigation/Enhancement	\$864,613	\$0	\$0	\$864,613	100%
(f)	Construction Administration	\$377,596	\$0	\$0	\$377,596	100%
(g)	Other Costs (Including Legal Costs, Permitting and Licenses)	\$104,000	\$0	\$0	\$104,000	100%
(h)	Construction Contingency	\$926,454	\$0	\$0	\$926,454	100%
(i)	Grand Total	\$6,983,322	\$6,500,000	\$0	\$13,483,322	52%
* Sources of funding: Non-state share funding sources will include Los Angeles County Waterworks District 40 who will contribute 1/3 of the projects total cost up to \$5 million (see letter of support at the end of attachment), and City of Palmdale funds totaling \$2,516,030.						
* Land Purchase/Easement costs include a \$450,000 waiver of City Impact Fees.						

1. Preliminary cost estimate from 2007 values. All values were converted to 2009 dollar values based upon the update factors shown in the SWFM Guidelines (2007=1.04)

Table 4-2: Cost Breakdown by Work Plan Task and Subtask

Row/Task	Category	Total
Row (a)	Direct Project Administration Costs	\$269,760
Task 1	Project Administration	\$241,967
Task 2	Labor Compliance Program	\$27,794
Task 3	Reporting	Included in Task 1
Row (b)	Land Purchase Easement	\$785,666
Row (c)	Planning/Design/Engineering/Environmental Documentation	\$848,964
Task 4	Assessment and Evaluation	\$64,587
Task 5	Final Design	\$389,525
Task 6	Environmental Documentation	\$300,000
Row (d)	Construction	\$9,306,269
Task 7	Construction Contracting	Included in Task 8
Task 8	Construction	\$9,306,269
Row (e)	Environmental Compliance/Mitigation/Enhancement	\$864,613
Task 9	Environmental Compliance/Mitigation/Enhancement	\$864,613
Row (f)	Construction Administration	\$377,596
Task 10	Construction Administration	\$377,596
Row (g)	Other Costs	\$104,000
Row (h)	Construction Contingency	\$926,454
Row (i)	Grand Total	\$13,483,322

Row (a) Direct Project Administration Costs

Task 1 – Project Administration:

Administration Cost estimate of \$241,967 was calculated based on labor costs shown in Table 4-3. These costs account for all project administrative activities and reporting tasks.

Task 2 – Labor Compliance Program:

Labor Compliance Program (LCP) Costs of \$27,794 as presented in Table 4-3 was calculated based on an estimated 0.30 percent fee of the project construction costs (not including contingency costs). These allocated costs will be used to contract Golden State Labor Compliance, LLC to implement the LCP.

Task 3 – Reporting:

The project manager will prepare and submit quarterly progress reports and invoices to the State of California. Reporting costs are included under Task 1 Project Administration Costs.

Table 4-3: Row (a) Direct Project Administration Budget

Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Director of Public Works	\$197.68	66	\$13,047
Assistant Director of Public Works/City Engineer	\$149.88	139	\$20,834
Utilities Service Manager	\$133.79	972	\$130,040
Project Manager	\$106.33	734	\$78,046
Labor Compliance Program	Lump Sum	N/A	\$27,794
Total			\$269,760

Row (b) Land Purchase/Easement

The City has purchased 15-acres of a Los Angeles County Parcel AIN: 3003-030-018 for the Amargosa Project. The land purchase costs are broken down in Table 4-4.

Table 4-4: Row (b) Land Purchase/Easement Budget

Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Labor			
Director of Public Works	\$197.68	10	\$1,977
Assistant Director of Public Works/City Engineer	\$149.88	17	\$2,548
Utilities Service Manager	\$133.79	52	\$6,957
Consultant	Lump Sum	N/A	\$18,184
Land Purchase			
Land Purchase (AIN: 3003-030-018)	Lump Sum	N/A	\$306,000
Waiver of City Impact Fees	Lump Sum	N/A	\$450,000
Total			\$785,666

Row (c) Planning/Design/Engineering/Environmental Documentation

Task 4 – Assessment and Evaluation:

Assessment and evaluation was estimated as \$64,587 based on two efforts. The USGS is performing an evaluation of the Amargosa project and the City is providing \$25,000 towards the study. Additionally, the City has drilled a monitoring well to determine the recharge capacity of this project. The monitoring well was constructed in March 2011 at a cost of \$39,587.

Task 5 – Final Design:

Final design plans and specifications will be prepared at the 30%, 60%, 90%, and final design completion levels. The Agency plans to hire a consultant to perform the design; this is anticipated to cost \$389,525. City staff will work with the consultants during the design process. The level of effort for City staff to conduct this work is estimated at \$94,904. See Table 4-5 for a detailed cost breakdown.

Task 6 – Environmental Documentation:

An EIR has been prepared for the Amargosa Project, fulfilling the CEQA requirement. The consultant cost to prepare the EIR was \$300,000. See Table 4-5 for a detailed cost breakdown.

Table 4-5: Row (c) Planning/Design/Engineering/Environmental Documentation Budget

Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Assessment and Evaluation			
USGS Study	Lump Sum Estimate	N/A	\$25,000
Monitoring Well	Lump Sum Estimate	N/A	\$39,587
Final Design			
Engineering Consultants	Lump Sum Estimate	N/A	\$389,525
Director of Public Works	\$197.68	50	\$9,884
Assistant Director of Public Works/City Engineer	\$149.88	50	\$7,494
Utilities Service Manager	\$133.79	500	\$66,895
Project Manager	\$106.33	100	\$10,633
CEQA/NEPA Documentation			
Environmental Impact Report (EIR) - SAIC	Lump Sum Estimate	N/A	\$300,000
Total			\$848,964

Row (d) Construction

Task 7 – Construction Contracting:

Costs to advertise and acquire the construction contractor are estimated to be \$2,087. Construction contracting costs are 5% of the total labor costs (\$41,734) in Table 4.6. These costs are included in the labor costs under Task 8 Construction.

Task 8 – Construction:

Construction costs are estimated to be \$9,306,269. As shown in Table 4-6, costs were broken down by common construction divisions. As the project is at the conceptual design phase, these estimates are from a preliminary engineer's estimate.

- **Equipment and Materials:** *Cost of equipment and materials is \$9,264,536*
- **Labor:** *Cost of labor is \$41,734*

Table 4-6: Row (d) Construction Costs¹

Equipment and Materials			
Materials Used	Unit Costs (\$)	Number of Units	Total
Mobilization	Lump Sum Estimate	N/A	\$200,000
General Requirements	Lump Sum Estimate	N/A	\$57,460
Existing Conditions	Lump Sum Estimate	N/A	\$274,040
Concrete	\$149,396	1	\$149,396
Metals	\$55,692	1	\$55,692
Specialties	\$44,200	1	\$44,200
Furnishings	\$19,448	1	\$19,448
Special Construction	\$120,224	1	\$120,224
Electrical	\$442,000	1	\$442,000
Earthwork	\$2,427,464	1	\$2,427,464
Exterior Improvements	\$1,153,620	1	\$1,153,620
Utilities	\$1,562,912	1	\$1,562,912
Waterway Construction	\$2,758,080	1	\$2,758,080
Subtotal			\$9,264,536
Labor			
Discipline	Hourly Wage (\$)	Number of hours	Total
Director of Public Works	\$197.68	11	\$2,174
Assistant Director of Public Works/City Engineer	\$149.88	14	\$2,098
Utilities Service Manager	\$133.79	280	\$37,461
Subtotal			\$41,734
Total			\$9,306,269

¹ This cost estimate is based on preliminary engineering estimate only. The numbers are subject to change.

Row (e) Environmental Compliance/Mitigation/Enhancement

Task 9- Environmental Compliance/Mitigation/Enhancement:

Environmental Compliance/Mitigation/Enhancement activities are allocated \$864,613. Mitigation costs were determined by using \$0.50 per square foot over the 39.7 acres of land that will require mitigation. The allocated costs are to cover all environmental compliance and mitigation activities identified in Attachment 3 Workplan.

Row (f) Construction Administration

Task 10- Construction Administration:

As described in the Work Plan (Attachment 3), City staff will oversee construction related activities and a consultant will be hired to perform construction management services. The Agency's level of effort is estimated to be \$169,596 based on the level of effort estimates and the consultant cost is estimated to be \$208,000. The total cost for construction administration is estimated to be \$377,596. See Table 4-7 for details on the cost estimate.

Table 4-7: Row (f) Construction Administration Costs

Discipline	Hourly Wage (\$/hr)	Number of Hours	Total
Director of Public Works	\$197.68	20	\$3,954
Assistant Director of Public Works/City Engineer	\$149.88	50	\$7,494
Utilities Service Manager	\$133.79	200	\$26,757
Chief Public Works Inspector	\$110.95	937	\$103,958
Project Manager	\$106.33	258	\$27,433
Consultant	N/A	N/A	\$208,000
Total			\$377,596

Row (g) Other Costs

Additional costs for permitting are estimated to be \$104,000. This estimate includes obtaining permits from Army Corps of Engineers, California Dept of Fish and Game, Regional Water Quality Control Board, and City of Palmdale.

Row (h) Construction Contingency

A 10% construction contingency is being allocated to the project based on a percentage of the raw (equipment and materials portion of) construction costs (Task 8). The 10% contingency was selected because the project is at a conceptual level design and is the contingency percentage used by the City on similar projects. The total allocated contingency for the project is \$926,454.

Row (i) Grand Total

The grand total of rows (a) through (h) is \$13,483,322 as shown in Table 4-8.

Table 4-8: Row (i) Grand Total Costs

Row	Budget Category	Total Costs
(a)	Direct Project Administration Costs	\$269,760
(b)	Land Purchase/Easement	\$785,666
(c)	Planning/Design/Engineering/ Environmental Documentation	\$848,964
(d)	Construction/Implementation	\$9,306,269
(e)	Environmental Compliance/ Mitigation/Enhancement	\$864,613
(f)	Construction Administration	\$377,596
(g)	Other Costs (Includes Permitting)	\$104,000
(h)	Construction/Implementation Contingency	\$926,454
(i)	Grand Total	\$13,483,322